

Approved Innovative Course

- x Districts must have local board approval to implement innovative courses
- x Innovative courses may meet state elective credit only
- x CTE Innovative courses may not be the final course in a coherent sequence for an endorsement
- x Course requirements must be met without modification

Course: Microbiology and Safety for Cosmetology Careers

PEIMS Code: N1302540

Abbreviation: MICROS

Grade Level(s): 9-12

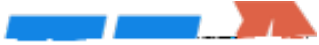
Number of Credits: 1.0

Course description:

Students who enroll in Microbiology and Safety for Cosmetology Careers will receive instruction in the identification of microorganisms, drug resistant organisms, and emerging diseases. Additionally, students will explore and apply concepts as they apply to the safety and health of individuals pursuing a career in cosmetology services. This course also includes an opportunity for students to solve an in-depth analytical problem concerning occupational health and safety in cosmetology.

Essential knowledge and skills:

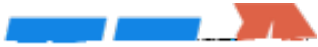
- (a) students to further their education and succeed in current or emerging professions.
- (2) The Human Services Career Cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services
- (3) Microbiology and Safety for Cosmetology Careers integrates academic, career, and technical knowledge and skills to provide job-specific training for employment in any cosmetology field. Analysis of career opportunities, knowledge and skills expectations, and development of workplace skills are included. Students who enroll in Microbiology and Safety for Cosmetology Careers will receive instruction in the microbial world, studying topics such as pathogenic and non-pathogenic



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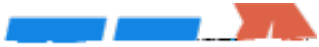
- (B) discuss the body's immune response and resistance to infection;
- (C) compare and classify diseases caused by bacteria, fungi, viruses, protozoa, and other microorganisms;
- (D) research drug-



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- (G) demonstrate the correct use of a biohazard bag;
 - (H) defend the safety standards implemented by employers and required by statutory agencies in order to provide a safe environment for employees and customers;
 - (I) research and develop a workplace safety policy for the cosmetology industry; and
 - (J) identify and examine examples of a breakdown in client protection and universal protection policies in the workplace.
- (5) The student examines the rights and responsibilities of a potential employer or employee to identify, abate, and prevent potential occupational hazards. The student is expected to:
- (A) explain workers' rights relating to the identity and properties of chemicals used at the workplace;
 - (B) compare the major differences between acute and chronic health effects;
 - (C) describe various ways to protect oneself from exposure to health hazards;
 - (D) describe hazards specifically associated with flammable and combustible liquids;
 - (E) research major material handling hazards, such as inhalation of solvents, skin contact with instruments or equipment, and skin absorption of liquids;
 - (F) evaluate the types of hazards that exist with unguarded and inadequately guarded machines and equipment;
 - (G) summarize employer requirements for providing a safety and health program that effectively reduces and prevents employee injury, illness, and fatality; and
 - (H) analyze activities that can lead to work-related musculoskeletal disorders (MSD) and repeated motion disorders (RMD) injury and illness and modify activities to prevent these disorders.
- (6) The student applies academic, technical, and critical-thinking skills to identify and solve an occupational health and safety problem in a real or simulated workplace. The student is expected to:
- (A) identify and evaluate an observed problem in the workplace;
 - (B)



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Digital testing and a comprehensive learning management system, such as Blackboard or Canvas, may be used. Formative and summative assessments using technology and other online applications accessed using a personal computer or smart device may also be used.

Teacher qualifications:

Trade and Industrial Education:

- x Grades 6-12 with work approval in cosmetology as identified on the certificate
- x Grades 8-12 with work approval in cosmetology as identified on the certificate
- x Vocational Trades and Industry with work approval in cosmetology as identified on the certificate

Additional information:

Cosmetology schools are required to obtain approval from TDLR before any and all cosmetology curriculum is offered by the cosmetology school. Cosmetology schools are also required to obtain prior approval before making any changes or revisions to approved cosmetology curriculum.

Students may be provided with an opportunity to attain the Occupational Safety and Health Administration (OSHA) 10-hour safety training certification.